

DRAFT Data Assessment Team (DAT) Conference Call Notes
11/10/2016 at 11:00 a.m.

Participants: Farida Islam and Loi Tran (DWR), Geir Aasen and Trishelle Morris (DFW), RG Fernando and Owen Lu (MWD), Scott Voss(FWS), Yonn Lien(CCWD), Lauren Damon and Trishelle Morris(DFW), Lucinda Shih(CCWD), Leigh Bartoo(FWS), Brittany Kammerer(SWRCB)

Sacramento River Fish Monitoring

Preliminary Rotary Screw Trap (RST) Report				
Species*	FWS Red Bluff Diversion Dam RST (Estimated Passage)	Glenn-Colusa Irrigation District (GCID) RST (Catch)	DFW Tisdale Weir RST (Catch)**	DFW Knights Landing RST (Catch)
Date	10/21/2016-11/3/2016	11/03/2016-11/10/2016	10/30/2016-11/6/2016	10/31/2016-11/10/2016
CHNF	1,334	0	0	0
CHNLF	24,299	9	0	1
CHNW	116,834	75	18	36
CHNS	25,966	18	2	3
Ad-Clipped CHN				
SH	598	0		0
Ad-Clipped SH				
GST			Not Reported	Not Reported
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, GST= Green Sturgeon. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				
** Numbers represent observations and are not expanded to represent estimated passage.				

Scott has mentioned that higher passage numbers have been observed at the Rotary Screw Traps. They are also getting real time receiver data from Arnold to track the juveniles. 18 tags have been collected so far. From November 1 to 6, 9 tag codes from different receivers has been found.

Graphical summaries of the monitoring data collected at the Sacramento River and at other locations can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>. In addition, the biweekly passage reports of juvenile salmonids sampled at the Red Bluff Diversion Dam are available at http://www.fws.gov/redbluff/rbdd_biweekly.aspx.

Delta Fish Monitoring update provided from data received from Jon Speegle (FWS):

Preliminary FWS Trawl and Seine Catch Report from 10/30/16 to 11/16/16				
Species*	Beach Seines	Mossdale Trawl	Sacramento Trawl	Chipps Island Trawl
CHNF				
CHNLF				
CHNW	3			
CHNS				
Ad-Clipped CHN				
SH				
Ad-Clipped SH				
DSM				
LFS				
SPLT	3			
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, DSM=Delta Smelt, LFS=Longfin Smelt, SPLT = Splittail. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				

Information about the Delta fish monitoring data from FWS can be found at <http://www.fws.gov/stockton/ifmp/>.

Salvage Monitoring update

Geir Aasen(DFW) reported that no salvage of listed species have been observed so far in the WY 2017.

Preliminary DFW Salvage Report for Salmonids from 10/31/15 to 11/06/15*								
Species	Central Valley Project (CVP)				State Water Project (SWP)			
	Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)		Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF								
Total to Date								
CHNLF								
Total to Date								
CHNW								
Total to Date								
CHNS								
Total to Date								
CHNU					6			
Total to Date								
SH								
Total to Date								
Notes: -Chinook race based on length (Delta model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, CHNU= Unknown race (Chinook greater than the length-at-date criteria or fork length not measured), SH =Steelhead. -Salvage and loss estimates are rounded to the nearest whole fish. -Documentation on how to calculate salvage and Chinook loss can be found at http://ftp.delta.dfg.ca.gov/salvage/Salmon%20Loss%20Estimation/ . -Steelhead loss: SWP steelhead loss = salvage x 4.33 and CVP steelhead loss = salvage x 0.68. -Total to date is the total since 10/1/13 (the start of water year 2014). -Data subject to revision.								

* No Salvage of listed species have been observed at either fish facility.

Preliminary DFW Salvage Report for Smelt and Other Species from 10/08/15 to 10/15/15*				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT			4	4
GST				
WST	4	4		
Notes: -DSM=Delta Smelt, LFS=Longfin Smelt, SPLT=Splittail, GST=Green Sturgeon, WST=White Sturgeon. -Salvage estimates are rounded to the nearest whole fish. -Total to date is the total since 10/1/13 (the start of water year 2014). -Data subject to revision.				

* No Salvage of Smelt and Other species have been observed at either fish facility.

Smelt Monitoring

Trishelle Morris (DFW) reported the following:

Fall midwater Trawl for November should be done in couple of days and will provide update on next call.

Smelt Working Group

Mon 14th, administrative meeting. To go over enhanced smelt monitoring program on the following.

Regular meeting might not take place until December.

Smelt Working group has not started meeting yet for the WY 2017.

http://www.fws.gov/sfbaydelta/cvp-swp/smelt_working_group.cfm.

Delta Operations for Salmonids and Sturgeon (DOSS) Working Group Update provided by Barb Byrne via the DAT reflector (NMFS)

Post-DOSS update: NMFS notified WDMT late Tuesday (11/4) afternoon that the DCC closure action response was satisfied based on three days of closure and two consecutive days of KLCI & SCI indices < 3.

Highlights from 11/8/16 DOSS meeting:

RPA Implementation

- **Action IV.1.1 (DCC alerts):**

- First alert was tripped on all days over the past week based on Mill Creek and Deer Creek flows.
- These alerts are simply a heads up that fish are likely to be moving and the triggers in Action IV.1.2 could be tripped soon.

- **Action IV.1.2 (DCC operations):**

- On 11/4/16, the Knights Landing Catch Index (KLCI) was 16.1, which exceeded the trigger requiring DCC gate closure.
- Gates were closed on the morning of 11/6/16.

- The KLCI on 11/5/16 was 10.2 and on 11/6/16 was 5.3, both exceeding the trigger requiring DCC gate closure.

- **Action IV.3 (Export Reductions based on salvage triggers)**

- The third alert (November 1-February 23: Knights Landing Catch Index (KLCI) or Sacramento Catch Index (SCI) >10) was triggered on 11/4/16 (KLCI was 16.1) and 11/5/16 (KLCI was 10.2).
- Since the action went into effect on 11/1/16, no salvage-based triggers that would require export reduction have been exceeded.

Fish Monitoring: Salvage

- No salvage of any listed species yet during WY 2017
- several adult salmon caught during salvage counts over past week; not assigned to race and don't count towards any triggers in RPA Action IV.3.

Fish Monitoring: RSTs, trawls, seines:

- Seeing catch of wild WR-sized and SR-sized fish at GCID RST, Tisdale RST, Knights Landing RST
- Seeing catch of wild WR-sized fish in DJFMP beach seines.

DOSS estimates of fish distribution:

- WILD WINTER-RUN: 75-86% yet to enter the Delta, 15-25% in the Delta, 0% exited the Delta (a shift into the Delta of ~10-15% compared to last week, based on rain events and observed catch in monitoring)

Recommendation for release timing of spring-run surrogates from Coleman National Fish Hatchery (on Battle Creek)

- DOSS recommended the same guidance as last year, that is:
 - **1st surrogate release:** ~3 days after the production release, regardless of precipitation events.
 - **2nd surrogate release:** Late December, ideally preceding (by ~3-7 days) a precipitation event and at least a week after the previous surrogate release.
 - **3rd surrogate release:** Mid-January, ideally preceding (by ~3-7 days) a precipitation event and at least a week after the previous surrogate release.
- SR surrogates are the basis for some triggers in Action IV.3 (export reductions) and (come January) Action IV.2.3 (OMR management)

WY 2017 DOSS notes: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2017.html

All things DOSS: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/doss.html

Operations update provided by Loi Tran (DWR):

Preliminary Summary for 11/10/2016			
SWP		CVP	
Clifton Court Inflow (cfs)	4500	Jones Pumping Plant (cfs)	2500*
SWP San Luis Reservoir Share (TAF) as of Midnight	490	CVP San Luis Reservoir Share (TAF) as of Midnight	212
San Luis Reservoir Total (TAF) as of Midnight	702	American – Nimbus Reservoir Releases (cfs)	1,250
Feather – Oroville Reservoir Releases (cfs)	2,450	Sacramento – Keswick Reservoir Releases (cfs)	5,000
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	5,100	Delta Cross Channel (DCC) Gates	Open
Total Delta Inflow (cfs)	14,227	1 day OMR average (cfs)	-2528
X2 (km)	>81	5 day OMR average (cfs)	-9117
Export/Inflow (%)	49.8(14-day avg)	14 day OMR average (cfs)	-8296

- Will go down on 11/12 to be reduced to 1800 cfs.

Loi mentioned that Jones will be reduced to control outflow to maintain water quality.

Controlling factor(s): Salinity Management

<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Next Conference Call:

11/17/2016, Thursday at 11 am.

Final DAT notes can be viewed at

<http://www.water.ca.gov/swp/operationscontrol/calfed/calfeddat.cfm>